

# EAST Search History - DRE - 1/13/2007

| Ref # | Hits    | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|---|------------------|---------|------------------|
| S1    | 20      | ("3180787" "4407994" "4522686" "4847315" "4859244" "5177051" "5393566" "5397436" "5429294" "5531863" "5858173" "5961708" "6103861" "6153040" "6159339" "6171680" "6273997" "6348132" "20030124316").PN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | ON      | 2007/01/13 11:40 |
| S2    | 8061    | (162/4,5,60,135,136,137,158,163,164,164.1,164.7,164.6,168.1,168.2,168.3,180,183,184,185,186).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/09/22 09:07 |
| S3    | 11353   | ((428/34.2,138,182,486) or (106/206.1,209.1,287.23,287.24,162.1,243) or (549/200,231,233,255) or (528/271) or (427/348)).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/09/22 09:09 |
| S4    | 19255   | S2 or S3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/09/22 09:09 |
| S5    | 170     | acryl\$3 and (AKD or "\$5yl ketene dimer\$1" or ASA or "\$5yl succinic anhydride\$1") and (cationic near1 polymer\$6) and starch  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | ON      | 2005/09/22 11:18 |
| S6    | 86      | acryl\$3 and (AKD or "\$5yl ketene dimer\$1") and (ASA or "\$5yl succinic anhydride\$1") and (cationic near1 polymer\$6) and starch   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | ON      | 2007/01/13 11:47 |
| S7    | 79      | S6 and acrylic  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | ON      | 2005/09/22 11:19 |
| S8    | 1206122 | S6 and acrylic acid   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | ON      | 2005/09/22 11:20 |
| S9    | 65      | S6 and "acrylic acid"   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | ON      | 2005/09/22 12:51 |
| S10   | 42      | S9 and crosslink\$3   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | ON      | 2005/09/22 11:42 |
| S11   | 42      | S10 and (paper or cellulose\$2 or fiber or web or sheet or mat)   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | ON      | 2005/09/22 11:22 |

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|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S12 | 5    | S2 and S11   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2005/09/22 11:22 |
| S13 | 116  | "organic crosslinking agent" and<br>"acrylic acid"   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2005/09/22 12:51 |
| S14 | 1    | CA-2354966-\$.did.   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT              | OR | ON  | 2005/09/23 07:09 |
| S15 | 1    | WO-200225013-\$.did.   | EPO;<br>DERWENT                                       | OR | ON  | 2006/07/23 11:24 |
| S16 | 1    | CA-2354966-\$.did.   | DERWENT   | OR | ON  | 2005/09/23 07:12 |
| S17 | 0    | CA-2354966-\$.did.   | EPO   | OR | ON  | 2005/09/23 07:12 |
| S18 | 1    | ("5393566").PN.  | USPAT;<br>USOCR                                       | OR | OFF | 2005/12/13 08:15 |
| S19 | 0    | ("(acrylicadjacid)same(crosslink\$3a<br>djagent)").PN.   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT              | OR | OFF | 2006/01/23 07:49 |
| S20 | 4447 | (acrylic adj acid) same (crosslink\$3<br>adj agent)  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT              | OR | ON  | 2006/01/23 07:52 |
| S21 | 0    | "acrylic acid crosslink\$3 agent"  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT              | OR | ON  | 2006/01/23 07:51 |
| S22 | 2495 | (acrylic adj acid) with (crosslink\$3<br>adj agent)  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT              | OR | ON  | 2006/01/23 07:52 |
| S23 | 8128 | (162/4,5,60,135,136,137,158,163,<br>164,164.1,164.7,164.6,168.1,168.2,<br>168.3,180,183,184,185,186).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/01/23 07:52 |
| S24 | 24   | S22 and S23  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT              | OR | ON  | 2006/01/23 08:00 |
| S25 | 2136 | crosslink\$2 adj acrylic   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT              | OR | ON  | 2006/01/23 09:08 |

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|     |         |  |   |    |     |                  |
|-----|---------|--|---|----|-----|------------------|
| S26 | 11422   | ((428/34.2,138,182,486) or (106/206.1,209.1,287.23,287.24,162.1,243) or (549/200,231,233,255) or (528/271) or (427/348)).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/01/23 08:01 |
| S27 | 19389   | S23 or S26   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/01/23 08:01 |
| S28 | 19389   | S23 or S26 or S27  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/01/23 08:02 |
| S29 | 9       | S25 and S28  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/01/23 08:15 |
| S30 | 4       | ((("2726230") or ("3493550")).PN.  | USPAT;<br>USOCR                                       | OR | OFF | 2006/01/23 09:07 |
| S31 | 0       | ("I7andstearate").PN.  | USPAT;<br>USOCR                                       | OR | OFF | 2006/01/23 09:07 |
| S32 | 297     | S25 and stearate   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT              | OR | ON  | 2006/01/23 09:08 |
| S33 | 19      | (crosslink\$2 adj acrylic) same stearate   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT              | OR | ON  | 2006/01/23 09:55 |
| S34 | 354     | "alkyl ketene dimer" with cationic   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/01/23 10:13 |
| S35 | 4       | ((("4407994") or ("4522686")).PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT              | OR | OFF | 2006/01/23 10:13 |
| S36 | 1       | ("20040089433").PN.  | US-PGPUB  | OR | OFF | 2007/01/13 10:38 |
| S37 | 1339518 | alkyl ketene dimer   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/07/22 14:56 |

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|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S38 | 1520 | "alkyl ketene dimer"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/07/22 14:57 |
| S39 | 1520 | S38 and PY<"1975"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/07/22 14:57 |
| S40 | 41   | S38 and @PY<"1975"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/07/22 14:58 |
| S41 | 148  | ("alkyl ketene dimer" or AKD) near2 cationic   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/07/23 11:26 |
| S42 | 2    | ((("6576049") or ("6248164"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/01/12 14:44 |
| S43 | 3    | ((("5858173") or ("5876562") or ("6414055"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/01/12 14:45 |
| S44 | 0    | WO-0225013-\$.did.   | EPO;<br>DERWENT                                       | OR | ON  | 2007/01/12 14:48 |
| S45 | 1    | WO-200225013-\$.did.   | EPO;<br>DERWENT                                       | OR | ON  | 2007/01/12 14:48 |
| S46 | 2    | Ep-499448-\$.did.  | EPO;<br>DERWENT                                       | OR | ON  | 2007/01/12 14:48 |
| S47 | 1    | ("6551457").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/01/12 14:53 |
| S48 | 1    | "20020062938"  | US-PGPUB  | OR | ON  | 2007/01/13 11:40 |
| S49 | 59   | ((acrylic adj acid) same (monomer or polymer)) and (crosslink\$3 or (cross adj link\$3)) and (AKD or "\$5yl ketene dimer\$1") and (ASA or "\$5yl succinic anhydride\$1") and (cationic near2 (starch or polysaccharide)) | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2007/01/13 12:22 |
| S50 | 10   | S49 and wood and (recycle\$1 or (waste adj paper) or deinked)  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2007/01/13 12:01 |

## EAST Search History

|     |     |   |                              |    |    |                  |
|-----|-----|---|------------------------------|----|----|------------------|
| S51 | 177 | combination and (AKD or "\$5yl ketene dimer\$1") and (ASA or "\$5yl succinic anhydride\$1") and (cationic near2 (starch or polysaccharide))       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/13 12:22 |
| S52 | 14  | (combination with ((AKD or "\$5yl ketene dimer\$1") and (ASA or "\$5yl succinic anhydride\$1")))) and (cationic near2 (starch or polysaccharide)) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/13 12:23 |